ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 35

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
GS00Q09BGD0048	N66001-17-F-0348	2016 Dec 15	1300612778	

6. ISSUED BY CODE N66001

SPAWAR SYSTEMS CENTER PACIFIC
VERONICA VELARDE, CODE 22530
VERONICA.VELARDE@NAVY.MIL
53560 HULL STREET
SAN DIEGO CA 92152

7. ADMINISTERED BY *(if other than 6)* CODE S2404A

DCMA MANASSAS
10500 BATTLEVIEW PARKWAY SUITE 200
MANASSAS VA 20109-2342

SCD: C

8. DELIVERY FOB
[X] DESTINATION
[ ] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 6XWA8 FACILITY

NAME AND ADDRESS
SCIENCE APPLICATIONS INTERNATIONAL CORPO
DUNS: 078883327
1710 SAIC DR
MCLEAN VA 22102-3702

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Section G

14. SHIP TO CODE

SEE SCHEDULE

15. PAYMENT WILL BE MADE BY CODE HQ0338

DFAS COLUMBUS CENTER
DFAS-CO/SOUTH ENTITLEMENT OPERATIONS
P.O. BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER

DELIVERY/ CALL	X	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
PURCHASE		Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR | SIGNATURE | TYPED NAME AND TITLE | DATE SIGNED (YYYYMMMDD)

[ ] If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE

See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
	SEE SCHEDULE				

** If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.*

24. UNITED STATES OF AMERICA
TEL: 619-553-6588
EMAIL: david.w.jenkins@navy.mil
BY: DAVID W. JENKINS
(b)(6)
CONTRACTING / ORDERING OFFICER

25. TOTAL $9,460,402.11 EST
26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN
[ ] INSPECTED [ ] RECEIVED [ ] ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | c. DATE (YYYYMMMDD) | d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE

f. TELEPHONE NUMBER | g. E-MAIL ADDRESS

36. I certify this account is correct and proper for payment.

a. DATE (YYYYMMMDD) | b. SIGNATURE AND TITLE OF CERTIFYING OFFICER

28. SHIP NO. | 29. DO VOUCHER NO. | 30. INITIALS

[ ] PARTIAL [ ] FINAL

31. PAYMENT
[ ] COMPLETE [ ] PARTIAL [ ] FINAL

32. PAID BY

33. AMOUNT VERIFIED CORRECT FOR

34. CHECK NUMBER

35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.

Statement of Work (SOW)
NAVAIR Aviation Logistics Environment (ALE) Product Line
System Engineering & Software Support Services for MV-22, CV-22, CMV and E-2D Condition Based Maintenance

Contract Number:	GS00Q09BGD0048
Task Order:	N66001-17-F-0348
Date:	30 August 2016
Title:	NAVAIR Aviation Logistics Environment (ALE) Product Line System Engineering & Software Support Services for MV-22, CV-22, CMV and E-2D Condition Based Maintenance

1.0 SCOPE

1.1 The scope of this task order is to provide software and engineering support services to produce and deliver software that will (a) sustain the Aviation Logistics Environment (ALE) product line in the fielded baseline, (b) produce, implement and deliver software changes to the ALE product line to maintain interoperability with changes to the aircraft in production, and (c) to provide engineering support for the V-22 Technical Data ecosystem. This effort will be multi-funded by PMA-275 and PMA-231, and includes both aircraft procurement and operations and maintenance appropriations. The specific aircraft supported under this task order are the MV-22, CV-22, CMV-22, and E-2D aircraft. The scope of this contract includes synthesizing and maintaining various sources of aircraft platform data in the Readiness Integration Center (RIC), and the Comprehensive Automated Maintenance Environment – Optimized (CAMEO), to continue to deliver and improve an ALE that enables comprehensive analyses and assessments of aircraft readiness and maintenance conditions.

1.2 This is a level of effort type, severable task order.

2.0 APPLICABLE DOCUMENTS

2.1 Department of Defense (DoD) Risk Management Framework (RMF), DoD Instruction 8510.01, 12 March 2014
2.2 CAMEO Project Management Plan, Feb 2012
2.3 CAMEO Software Development Plan (SDP), Sep 2014
2.4 CAMEO Configuration Management Plan, Jul 2011
2.5 CAMEO Quality Assurance Surveillance Plan (QASP), Feb 2014
2.6 Aviation Logistics Environment (ALE) Integrated Product Team High Level Schedule, Jan 2016 (Living Document)
2.7 DoD Architecture Framework Versions 2.02, Aug 2010
2.8 RIC Software Development Plan (SDP), living document FY16-FY17
2.9 RIC Cybersecurity and Certification and Accreditation Strategy

3.0 TECHNICAL REQUIREMENTS

3.1 Support for NAVAIR MV-22 Osprey, PMA-275 (Base Year CLIN 0001, APN Funds)

3.1.1 MV Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of technical documentation, e.g.: white papers, PowerPoint briefings, process improvement recommendations, and/or participation in technical interchange meetings.

3.1.2 MV Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail producing and delivering automated test scripts, test plans, procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, RMF accreditation data and documentation, which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.1.3 MV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all MV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.1.4 MV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.1.5 MV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.1.6 MV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the MV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.2 Support for NAVAIR MV-22 Osprey, PMA-275 (Base Year CLIN 0002, OMN Funds)

3.2.1 MV Sustainment Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to maintain and improve the fielded ALE Product Line. This encompasses efforts to identify and improve the complexities, dependencies, and technology of the V-22 Technical Data ecosystem (i.e. hardware/software products, system architecture, infrastructure, data repository, etc.); and providing software and data support to the Vibration Analysis Working Group. The contractor shall provide technical support to improve and maintain Teamcenter and SAS environments. The contractor shall participate in the Engineer Change Proposal (ECP) process and coordinate between the original equipment manufacturers (OEMs) to maintain awareness of upcoming changes to on-board systems; the contractor shall assess impact and inform the Government when changes to the aircraft will necessitate software updates to the ALE product line. The contractor shall deliver technical documentation, e.g.: white papers, PowerPoint briefings, process/product improvement recommendations), and be an active participant in technical interchange meetings.

3.2.2 MV Software Sustainment

The contractor shall update software for the CAMEO and RIC suite of software tools, databases, applications and data to enhance cybersecurity posture, complete bug fixes, and to modify and improve automated data ingests / extracts. All software produced under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail updates and enhancements to automated test scripts, delivery of test plans, procedures, and reports. The effort shall include modifications to software documentation, updating engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, RMF accreditation data and documentation, which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.2.3 MV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all MV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall update ALE product line capabilities in support of predictive maintenance and improving readiness.

3.2.4 MV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its software sustainment schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor

update and modify software components, improve cybersecurity posture, and update/modify relevant documentation for the ALE products identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.2.5 MV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of tools. The contractor shall utilize system and network hardware, including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, and conduct system backups. The contractor shall utilize commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist facilitate improvements in the system administration function.

3.2.6 MV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the MV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall review the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.3 Support for NAVAIR E-2D Hawkeye, PMA-231 (Base Year CLIN 0003, APN Funds)

3.3.1 E-2D Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of technical documentation, e.g.: white papers, PowerPoint briefings, process improvement recommendations, and active participation in technical interchange meetings.

3.3.2 E-2D Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail producing and delivering test plans), procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government provided documentation, RMF accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.3.3 E-2D Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all E-2D data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-231, Readiness IPTs and the

Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.3.4 E-2D Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.3.5 E-2D Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.3.6 E-2D Project Support

The contractor shall provide engineering support to the ALE Leadership Team for the E-2D ALE product line. Support includes technical participation in weekly telecons, attendance at quarterly technical interchange meetings, and the contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report [Contract Data Requirements List. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.4 Support for NAVAIR CV-22 Osprey, PMA-275 (Base Year CLIN 0004, O&M Air Force (AF) Funds)

3.4.1 CV Sustainment Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to maintain and improve the fielded ALE Product Line. The contractor shall deliver technical documentation, e.g.: white papers, PowerPoint briefings, process/product improvement recommendations, and/or participation in technical interchange meetings.

3.4.2 CV Software Sustainment Engineering

The contractor shall update software for the CAMEO and RIC suite of software tools, databases, applications and data to enhance cybersecurity posture, complete bug fixes, and to modify and improve automated data ingests / extracts. All software produced under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail updates and enhancements to automated test scripts, delivery of test plans, procedures, and reports. The effort shall include modifications to software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, and RMF

accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.4.3 CV Data Analytics Maintenance Support

The contractor shall provide engineering support for data analytics and administration on all CV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall update ALE product line capabilities in support of predictive maintenance and improving readiness.

3.4.4 CV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its software sustainment schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor update and modify software components, improve cybersecurity posture, and update/modify relevant documentation for the ALE products identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.4.5 CV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of tools. The contractor shall utilize system and network hardware, including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, and conduct system backups. The contractor shall utilize commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist facilitate improvements in the system administration function.

3.4.6 CV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the CV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall review the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.5 Support for NAVAIR MV-22 Osprey, PMA-275 (Option Year I CLIN 0006, APN Funds)

3.5.1 MV Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of technical documentation, e.g.: white papers, PowerPoint briefings, process improvement

recommendations, and/or participation in technical interchange meetings.

3.5.2 MV Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail producing and delivering automated test scripts, test plans, procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, RMF accreditation data and documentation, which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.5.3 MV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all MV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.5.4 MV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.5.5 MV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.5.6 MV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the MV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.6 Support for NAVAIR MV-22 Osprey, PMA-275 (Option Year I CLIN 0007, OMN Funds)

3.6.1 MV Sustainment Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to maintain and improve the fielded ALE Product Line. This encompasses efforts to identify and improve the complexities, dependencies, and technology of the V-22 Technical Data ecosystem (i.e. hardware/software products, system architecture, infrastructure, data repository, etc.); and providing software and data support to the Vibration Analysis Working Group. The contractor shall provide technical support to improve and maintain Teamcenter and SAS environments. The contractor shall participate in the Engineer Change Proposal (ECP) process and coordinate between the original equipment manufacturers (OEMs) to maintain awareness of upcoming changes to on-board systems; the contractor shall assess impact and inform the Government when changes to the aircraft will necessitate software updates to the ALE product line. The contractor shall deliver technical documentation, e.g.: white papers, PowerPoint briefings, process/product improvement recommendations), and be an active participant in technical interchange meetings.

3.6.2 MV Software Sustainment

The contractor shall update software for the CAMEO and RIC suite of software tools, databases, applications and data to enhance cybersecurity posture, complete bug fixes, and to modify and improve automated data ingests / extracts. All software produced under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail updates and enhancements to automated test scripts, delivery of test plans, procedures, and reports. The effort shall include modifications to software documentation, updating engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, RMF accreditation data and documentation, which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.6.3 MV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all MV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall update ALE product line capabilities in support of predictive maintenance and improving readiness.

3.6.4 MV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its software sustainment schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor update and modify software components, improve cybersecurity posture, and update/modify relevant documentation for the ALE products identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.6.5 MV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system

administration of tools. The contractor shall utilize system and network hardware, including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, and conduct system backups. The contractor shall utilize commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist facilitate improvements in the system administration function.

3.6.6 MV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the MV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall review the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.7 Support for NAVAIR E-2D Hawkeye, PMA-231 (Option Year I CLIN 0008, APN Funds)

3.7.1 E-2D Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of technical documentation, e.g.: white papers, PowerPoint briefings, process improvement recommendations, and active participation in technical interchange meetings.

3.7.2 E-2D Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail producing and delivering test plans), procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government provided documentation, RMF accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.7.3 E-2D Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all E-2D data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-231, Readiness IPTs and the Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.7.4 E-2D Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific

defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.7.5 E-2D Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.7.6 E-2D Project Support

The contractor shall provide engineering support to the ALE Leadership Team for the E-2D ALE product line. Support includes technical participation in weekly telecons, attendance at quarterly technical interchange meetings, and the contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report [Contract Data Requirements List. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.8 Support for NAVAIR CV-22 Osprey, PMA-275 (Option Year I CLIN 0009, O&M AF Funds)

3.8.1 CV Sustainment Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to maintain and improve the fielded ALE Product Line. The contractor shall deliver technical documentation, e.g.: white papers, PowerPoint briefings, process/product improvement recommendations, and/or participation in technical interchange meetings.

3.8.2 CV Software Sustainment Engineering

The contractor shall update software for the CAMEO and RIC suite of software tools, databases, applications and data to enhance cybersecurity posture, complete bug fixes, and to modify and improve automated data ingests / extracts. All software produced under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail updates and enhancements to automated test scripts, delivery of test plans, procedures, and reports. The effort shall include modifications to software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, and RMF accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.8.3 CV Data Analytics Maintenance Support

The contractor shall provide engineering support for data analytics and administration on all CV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall update ALE product line capabilities in support of predictive maintenance and

improving readiness.

3.8.4 CV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its software sustainment schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor update and modify software components, improve cybersecurity posture, and update/modify relevant documentation for the ALE products identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.8.5 CV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of tools. The contractor shall utilize system and network hardware, including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, and conduct system backups. The contractor shall utilize commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist facilitate improvements in the system administration function.

3.8.6 CV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the CV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall review the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.9 Support for NAVAIR CMV-22 Osprey, PMA-275 (Option Year I CLIN 0010, APN Funds)

3.9.1 CMV Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of technical documentation, e.g.: white papers, PowerPoint briefings, process improvement recommendations, and active participation in technical interchange meetings.

3.9.2 CMV Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail producing and

delivering automated test scripts, test, procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, and RMF accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.9.3 CMV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all CMV-22, data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.9.4 CMV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.9.5 CMV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.9.6 CMV Project Support

The contractor shall provide engineering support to the ALE Leadership Team for the CMV-22 ALE product line. Support includes technical participation in weekly telecons, attendance at quarterly technical interchange meetings, and the contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.10 Support for NAVAIR MV-22 Osprey, PMA-275 (Option Year II CLIN 0012, APN Funds)

3.10.1 MV Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of

technical documentation, e.g.: white papers, PowerPoint briefings, process improvement recommendations, and/or participation in technical interchange meetings.

3.10.2 MV Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail producing and delivering automated test scripts, test plans, procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, RMF accreditation data and documentation, which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.10.3 MV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all MV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.10.4 MV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.10.5 MV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.10.6 MV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the MV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.11 Support for NAVAIR MV-22 Osprey, PMA-275 (Option Year II CLIN 0013, OMN Funds)

3.11.1 MV Sustainment Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to maintain and improve the fielded ALE Product Line. This encompasses efforts to identify and improve the complexities, dependencies, and technology of the V-22 Technical Data ecosystem (i.e. hardware/software products, system architecture, infrastructure, data repository, etc.); and providing software and data support to the Vibration Analysis Working Group. The contractor shall provide technical support to improve and maintain Teamcenter and SAS environments. The contractor shall participate in the Engineer Change Proposal (ECP) process and coordinate between the original equipment manufacturers (OEMs) to maintain awareness of upcoming changes to on-board systems; the contractor shall assess impact and inform the Government when changes to the aircraft will necessitate software updates to the ALE product line. The contractor shall deliver technical documentation, e.g.: white papers, PowerPoint briefings, process/product improvement recommendations), and be an active participant in technical interchange meetings.

3.11.2 MV Software Sustainment

The contractor shall update software for the CAMEO and RIC suite of software tools, databases, applications and data to enhance cybersecurity posture, complete bug fixes, and to modify and improve automated data ingests / extracts. All software produced under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail updates and enhancements to automated test scripts, delivery of test plans, procedures, and reports. The effort shall include modifications to software documentation, updating engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, RMF accreditation data and documentation, which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.11.3 MV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all MV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall update ALE product line capabilities in support of predictive maintenance and improving readiness.

3.11.4 MV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its software sustainment schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor update and modify software components, improve cybersecurity posture, and update/modify relevant documentation for the ALE products identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.11.5 MV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of tools. The contractor shall utilize system and network hardware, including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, and conduct system backups. The contractor shall utilize commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist facilitate improvements in the system administration function.

3.11.6 MV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the MV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall review the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.12 Support for NAVAIR E-2D Hawkeye, PMA-231 (Option Year II CLIN 0014, APN Funds)

3.12.1 E-2D Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of technical documentation, e.g.: white papers, PowerPoint briefings, process improvement recommendations, and active participation in technical interchange meetings.

3.12.2 E-2D Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail producing and delivering test plans), procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government provided documentation, RMF accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.12.3 E-2D Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all E-2D data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-231, Readiness IPTs and the Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.12.4 E-2D Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint

cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.12.5 E-2D Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.12.6 E-2D Project Support

The contractor shall provide engineering support to the ALE Leadership Team for the E-2D ALE product line. Support includes technical participation in weekly telecons, attendance at quarterly technical interchange meetings, and the contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report [Contract Data Requirements List. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.13 Support for NAVAIR CV-22 Osprey, PMA-275 (Option Year II CLIN 0015, O&M AF Funds)

3.13.1 CV Sustainment Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to maintain and improve the fielded ALE Product Line. The contractor shall deliver technical documentation, e.g.: white papers, PowerPoint briefings, process/product improvement recommendations, and/or participation in technical interchange meetings.

3.13.2 CV Software Sustainment Engineering

The contractor shall update software for the CAMEO and RIC suite of software tools, databases, applications and data to enhance cybersecurity posture, complete bug fixes, and to modify and improve automated data ingests / extracts. All software produced under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying software functionality utilizing integration, unit, and smoke testing. This shall entail updates and enhancements to automated test scripts, delivery of test plans, procedures, and reports. The effort shall include modifications to software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, and RMF accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.13.3 CV Data Analytics Maintenance Support

The contractor shall provide engineering support for data analytics and administration on all CV-22 data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the

Fleet. The contractor shall update ALE product line capabilities in support of predictive maintenance and improving readiness.

3.13.4 CV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its software sustainment schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor update and modify software components, improve cybersecurity posture, and update/modify relevant documentation for the ALE products identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.13.5 CV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of tools. The contractor shall utilize system and network hardware, including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, and conduct system backups. The contractor shall utilize commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist facilitate improvements in the system administration function.

3.13.6 CV Project Support

The contractor shall provide administrative and engineering support to the ALE Leadership Team for the CV-22 ALE product line. Support includes, scheduling meetings, disseminating program information, coordination of action items and status from various Integrated Product Team (IPT) meetings, recording and disseminating meeting minutes, technical participation in weekly telecons, and attendance at quarterly technical interchange meetings. The contractor shall review the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

3.14 Support for NAVAIR CMV-22 Osprey, PMA-275 (Option Year II CLIN 0015, APN Funds)

3.14.1 CMV Analysis Engineering Support

The contractor shall provide system and software engineering support to Space & Naval Warfare Systems Center (SSC) Pacific and Naval Air Systems Command to analyze and assess the existing, fielded, ALE Product Line. The contractor will verify whether planned changes to future production aircraft (e.g., on-board software/data updates) are accommodated for in the fielded ALE Product Line; subsequently, the contractor shall produce recommendations to implement solutions into the ALE Product Line that account for such changes to the aircraft. The contractor shall deliver the results of analyses in the form of technical documentation, e.g.: white papers, PowerPoint briefings, process improvement recommendations, and active participation in technical interchange meetings.

3.14.2 CMV Implementation Engineering Support

The contractor shall produce software for the CAMEO and RIC suite of software tools, databases, applications and data to implement cybersecurity requirements, bug fixes, and automated data ingests / extracts. All software produced and delivered under this task order shall strictly follow the requirements for all documents listed in Section 2, Applicable Documents (2.2 – 2.6, 2.8, and 2.9), including verifying

software functionality utilizing integration, unit, and smoke testing. This shall entail producing and delivering automated test scripts, test, procedures, and reports. The effort shall include producing software documentation, engineering drawings which shall follow and adhere to applicable document 2.7, revisions to existing Government documentation, and RMF accreditation data and documentation which shall follow and adhere to processes, methods, requirements, and deliverables in the applicable document 2.1.

3.14.3 CMV Data Analytics Support

The contractor shall provide engineering support for data analytics and administration on all CMV-22, data sources, with a focus on Integrated Logistics Support Management System (ILSMS) list items, top degraders, vibration data, and other items of interest identified by PMA-275, Readiness IPTs and the Fleet. The contractor shall assess and implement capabilities in support of predictive maintenance and improving readiness.

3.14.4 CMV Agile Process Engineering Support

All efforts under this task order shall follow agile methodologies and adhere to processes, methods, requirements, and deliverables in the CAMEO and RIC applicable documents (2.2 – 2.6, 2.8, and 2.9). A designated SSC Pacific Government Lead will define the schedule, reviews, and duration for each sprint cycle based on sponsor requirements. The contractor shall align its production schedule to the SSC Pacific defined sprint cycles. At the beginning of every sprint cycle SSC Pacific will define which analyses, assessments, productions, and implementations will be delivered in that sprint. The contractor shall analyze the current technologies, assess the readiness factors, produce software patches, implement cybersecurity requirements, verify functionality, and deliver documentation identified in a given sprint cycle. The contractor shall not deliver items that were not explicitly identified in the current sprint cycle requirements. The contractor shall not introduce any new software dependencies into the CAMEO / RIC suite of applications without explicit Government approval (e.g., no new commercial off-the-shelf software license requirements).

3.14.5 CMV Software and System Administration

The contractor shall provide engineering support in lab and cloud environments for software and system administration of analytical tools, utilize system and network hardware including Linux, Solaris, Windows, virtual machines, virtual private clouds, verify network security, conduct system backups. The contractor shall analyze and implement commercial off the shelf (COTS), Government off the shelf (GOTS), and non-developmental items (NDI) solutions that will assist in the system administration function.

3.14.6 CMV Project Support

The contractor shall provide engineering support to the ALE Leadership Team for the CMV-22 ALE product line. Support includes technical participation in weekly telecons, attendance at quarterly technical interchange meetings, and the contractor shall assess the project status then report via the weekly reporting process and the formal Monthly Status Report. The contractor shall perform weekly mustering via the CAMEO wiki process.

4.0 GOVERNMENT FURNISHED PROPERTY

No Government Furnished Property (GFP) is anticipated.

5.0 TRAVEL

The following long distance travel is anticipated for the performance of this task for the base period, and for each of the Option periods:

Destination	No. of Trips	Trip Duration (Days)	No. of Persons
Lexington Park, MD	2	5	2
Philadelphia, PA	2	5	2
San Diego, CA	2	5	2
Cherry Point, NC	4	5	1
Hamamatsu Air Base, Japan	2	9	2

All travel is expected to originate in the San Diego or Lexington Park area. Contractors may propose alternate origins as required.

6.0 OTHER

6.1 Place of Performance

It is anticipated that approximately 50% of the tasking under this contract shall be performed at the contractor's facilities and approximately 50% shall be performed at Government facilities as well as other locations identified in Travel Section 5 of this PWS. Three (3) FTEs will be required on site at Lexington Park / Patuxent River, MD area to execute portions of tasking called out in Section 3.

6.2 Security

The security requirement for this tasking will be up to and including SECRET.

All personnel working under this task shall be United States Citizens and possess a current and valid (or be able to obtain) External Certification Authority or a U.S. Government issued Common Access Card. Key personnel shall have, at minimum, a current and valid SECRET security clearance.

If foreign travel is required, all outgoing Country/Theater clearance message requests shall be submitted to the SSC Pacific foreign travel team for action. A Request for Foreign Travel form shall be submitted for each traveler, in advance of the travel, to initiate the release of a clearance message at least 40 days in advance of departure. Each Traveler must also submit a Personal Protection Plan and have a Level 1 Antiterrorism/Force Protection (AT/FP) briefing within one year of departure and a country specific briefing within 90 days of departure.
-OR-
If foreign travel is required, all outgoing Country/Theater clearance message requests shall be submitted to Commanding Officer, Attn: Foreign Travel Team, Space and Naval Warfare Systems Center Pacific, 53560 Hull Street, Building 27, 2nd Floor -Room 206, San Diego, CA 92152 for action. A Request for Foreign Travel (https://wiki.spawar.navy.mil/confluence/display/forms/5512_29+SSC+ Pacific+Foreign+Travel+Request_Personal+Protection+Plan) form shall be submitted for each traveler, in advance of the travel, to initiate the release of a clearance message at least 30 days in advance of departure. Each Traveler must also submit a Personal Protection Plan and have a Level 1 Antiterrorism/Force Protection (AT/FP) briefing within one year of departure and a country specific briefing within 90 days of departure.

AT/FP briefings are required for all personnel (Military, DOD Civilian, and contractor) per OPNAVINST F3300.53C. Contractor employees must receive the AT/FP briefing annually. The briefing is available at https://atlevel1.dtic.mil/at/, if experiencing problems accessing this website contact

ssc_fortrav@navy.mil. Forward a copy of the training certificate to the previous email address or fax to (619) 553-6863. Survival Evasion Resistance Escape (SERE) 100.1 Level A Code of Conduct training is also required prior to OCONUS travel for all personnel. SERE 100.1 Level A training can be accessed at https://wwwa.nko.navy.mil. Other specialized training for specific locations may also be required contact the SSC Pacific foreign travel team.

As required by National Industrial Security Program Operating Manual, Chapter 1, Section 3, contractors are required to report certain events that have an impact on the status of the facility clearance, the status of an employee's personnel clearance, the proper safeguarding of classified information, or an indication that classified information has been lost or compromised. Contractors working under SSC Pacific contracts shall ensure information pertaining to assigned contractor personnel are reported to the Contract Officer's Representative (COR) or Technical Point Of Contact, Contracting Specialist, and the Security's COR along with notifying the appropriate agencies such as Cognizant Security Agency, Company Security Officer, Department of the Navy Central Adjudication Facility or Defense Industrial Security Clearance Office when related to the denial, suspension, or revocation of a security clearance of any assigned personnel, any adverse information on an assigned employee's continued suitability for continued access to classified access; any instance of loss or compromise, or suspected loss or compromise, of classified information; actual, probable or possible espionage, sabotage, or subversive information; or any other circumstances of a security nature that would affect the contractor's operation while working under SSC Pacific contracts.

6.3 Operations Security

All work is to be performed in accordance with DoD and Navy Operations Security (OPSEC) requirements and in accordance with the OPSEC attachment to the DD-254, Contract Security Classification Specification.

6.4 Cyber Security Workforce (CSWF)

The following cybersecurity (formerly referred to as Information Assurance) workforce categories, levels, training, and certifications are required for contractor personnel under this task order: The contractor will require privileged access to work in cybersecurity technical environments. As required by DoD 8570.01-M, within six months of task award personnel performing cybersecurity functions shall be required to have certification. Some positions may require Cybersecurity Technical level I certification (Microsoft Windows 7 or Windows 8 or Windows 10) or level II certification (Microsoft Windows Sever 2008 or Server 2012).

The contractor shall ensure that personnel accessing information systems have the proper and current cyber certification to perform cybersecurity functions identified in the "Technical Requirements" section of this PWS in accordance with DoD 8570.01-M, Cybersecurity Workforce Improvement Program. The contractor shall meet applicable cybersecurity certification requirements, including (a) DoD-approved cybersecurity workforce certification for cybersecurity technical positions as required by DoD 8570.01-M. Contractor personnel who do not have proper and current certifications shall be denied access to DoD information systems for the purpose of performing cybersecurity functions.

The contractor shall provide documentation supporting the cyber security certification status of personnel performing cybersecurity functions, reporting current cybersecurity certification status and compliance using the Contractor Roster CDRL, in the format prescribed by the Contracting Officer's Representative (COR).

6.5 RIGHTS IN DATA

The Contractor shall not, without the express written permission of the Government Contracting Officer, release or disclose Government Furnished Information, data, or software to any person.

The Contractor shall provide the Government with Unlimited Rights to use of software and technical data where the deliverable has been produced entirely at Government expense (see DFARS 252.227-7013 and 7014). Where exclusions to Unlimited Rights have been authorized in accordance with terms of this order, a minimum of Government Purpose Rights (GPR) on all technical data and software documentation delivered is required for the items produced with mixed funding.

Data deliverables shall be reviewed in accordance with the Department of the Navy Policy on Digital Product/Technical Data, Assistant Secretary of the Navy for Research, Development and Acquisition, ASN (RDA), memo of 23 October 2004, and as specified in the Contract Data Requirements List (CDRL) for this task order.

(End of Statement of Work)